Think-Tac-Toe by Susa and Forrest Stonedahl

Directions:

Think-Tac-Toe is a puzzle where you are trying to discover the hidden locations of X's and O's in a grid by using number clues. The number in each square tells you the number of X's in that square's neighborhood. A square's neighborhood is made up of the square itself and any squares with which it shares an edge or a corner.

Example:



Look at the #4 in the upper right hand corner of the Clues grid. It has a neighborhood of only four squares, so they must all be X's (Step 1). Next, look at the #1 in the lower left hand corner. This square already has one X in its neighborhood, so there can't be any more X's. You can fill in O's in the rest of its neighborhood (Step 2). Now, if you look at the #3 right above the #1 you can count the number of X's already in its neighborhood. There are only two so far, so the square in the upper left must also have an X in it to make a total of 3 (Step 3). Similar logic will fill in the bottom right square, which completes this Think-Tac-Toe puzzle. There is only one correct answer. Try solving some more below!

The Puzzles: (answers can be found at http://www.stonedahl.com/thinktactoe)

Α.	-			 -	
,	2	3	1		
	2	3	1		
	1	1	0		
C					
С.	3	3	2		
	3	3	2		
	2	2	1		

B.	4	4	2
	5	6	4
	3	4	3



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Here are some larger Think-Tac-Toe puzzles. When you finish one, color in all of the X's to reveal a picture or secret message!

E. When life hands you lemons make _____.

1	2	3	3	3	2				
1	3	4	5	4	3				
1	4	5	7	5	4				
0	3	3	6	3	3				
0	2	2	4	2	2				
0	1	1	2	1	1				

F. 1, 1, 2, 3, 5, 8 ...

0	0	0	0	2	3	3	1	0	0
0	0	0	0	3	5	5	2	0	0
0	0	0	0	3	6	6	3	0	0
0	0	0	0	3	6	6	3	0	0
0	0	0	0	2	5	6	5	2	1
0	0	0	0	1	4	6	7	5	3
0	0	0	0	0	3	6	9	8	5
0	0	0	1	2	5	7	9	8	5
0	0	1	3	5	7	8	9	7	4
0	1	3	6	8	9	9	9	6	3
0	2	5	8	9	8	8	8	6	3
2	5	7	9	8	6	6	7	6	3
4	6	7	8	8	5	4	5	6	4
4	5	5	5	5	3	2	3	4	3
2	2	2	2	3	2	1	1	2	2

G. Calculator's creed

1	1	2	2	2	2	2	2	2	1	1	0	1	1	1	1	1	1	1	2	3	2	2	1	2	1	1
2	2	4	4	5	5	5	4	4	3	3	2	3	3	3	2	3	2	2	3	4	3	3	2	4	2	2
3	3	6	6	8	8	8	6	6	4	5	3	5	4	5	4	6	4	3	4	5	4	4	4	7	4	3
3	3	5	5	8	9	8	5	5	4	5	3	5	4	6	4	7	4	3	3	3	3	3	4	7	4	3
3	3	4	3	6	7	6	3	4	3	4	1	4	3	6	4	7	4	3	3	3	3	3	4	7	4	3
2	2	2	1	3	4	3	1	2	2	2	0	2	2	4	2	4	2	2	2	2	2	2	2	4	2	2
1	1	1	0	1	1	1	0	1	1	1	0	1	1	2	1	2	1	1	1	1	1	1	1	2	1	1

Answers:









E. When life hands you lemons make _____.



F. 1, 1, 2, 3, 5, 8 ...



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